

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/003352

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B05B12/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B05B A01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 832 134 A (VALOIS SA) 16 May 2003 (2003-05-16)	1,4-8, 10,11, 13,15
Y	page 3, line 6 - page 4, line 30; figures 1,5	2,3,9, 14,16-20
Y	----- EP 1 084 757 A (NORDSON CORPORATION) 21 March 2001 (2001-03-21) paragraphs [0040] - [0048], [0051]; figures 1-3,5-7	2,3,14, 17-20
Y	----- US 6 500 262 B1 (BEDNARZ VINCENT L ET AL) 31 December 2002 (2002-12-31) paragraph [0027]; figures 1,6b	9,16
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search

26 May 2005

Date of mailing of the international search report

18/10/05.

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 00/07741 A (ABB FLEXIBLE AUTOMATION S.P.A; FERRARI, GIOVANNI; VIOLA, PIERANGELO) 17 February 2000 (2000-02-17) page 1, line 25 - page 2, line 18 page 3, lines 5-15 page 4, lines 22,23 page 5, lines 14-29 page 6, lines 28,29 figures 1,3-5</p>	<p>1,2,4,5, 9-11,13, 15-18,20</p>
A	<p>----- WO 01/16661 A (SPRAYING SYSTEMS CO) 8 March 2001 (2001-03-08) abstract; figures 1-3</p>	<p>1-20</p>
A	<p>----- US 2003/160108 A1 (LACCHIA ADRIEN ET AL) 28 August 2003 (2003-08-28) abstract; figures</p> <p>-----</p>	<p>3</p>

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1 - 20

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-20

Documents FR-2832134 and WO-00/07741 disclose all the features of claims 1-11 (see Item V), therefore the first technical feature not known from the prior art is claim 12. Hence it is considered that claims 1-20 are directed to a material application system and a method comprising a wireless identification device which is associated with a spray gun nozzle. It is considered that the wireless identification device associated with a spray gun nozzle comprises a first "special technical feature".

2. claims: 21-23

Claims 21-3 are directed to a method for identifying parts of an item; each part of the item has a wireless identification device. It is considered that the wireless identification devices associated with each of the parts of the item comprises a second "special technical feature".

3. claim: 24

Claim 24 is directed to a method for identifying parts of an material application system in which at least the spray booth has a wireless identification device. It is considered that the wireless identification device associated with spray booth a third "special technical feature".

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/003352

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2832134	A	16-05-2003	BR 0213808 A	04-01-2005
			CN 1585717 A	23-02-2005
			EP 1444149 A1	11-08-2004
			WO 03039997 A1	15-05-2003
			JP 2005507835 T	24-03-2005

EP 1084757	A	21-03-2001	CN 1321549 A	14-11-2001
			JP 2001129452 A	15-05-2001
			US 6758423 B1	06-07-2004

US 6500262	B1	31-12-2002	US 2003059523 A1	27-03-2003

WO 0007741	A	17-02-2000	EP 1102640 A1	30-05-2001
			IT MI981858 A1	07-02-2000

WO 0116661	A	08-03-2001	AU 7114400 A	26-03-2001

US 2003160108	A1	28-08-2003	AU 7414501 A	11-12-2001
			BR 0111231 A	10-06-2003
			CA 2409403 A1	06-12-2001
			EP 1311351 A1	21-05-2003
			FR 2809334 A1	30-11-2001
			WO 0191914 A1	06-12-2001
